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## End of an era

The mosaic tile panel on the west side of the Engineering Building has come down. In its place pre-cast concrete panels with an appropriate abstract design will be erected.

The mosaic panel depicting the many facets of engineering was erected in 1961. Since that time, however, due to an error in design calculations, the tile has been dropping off. Insufficient allowance was made for extreme weather conditioning and waterproofing with the result that the panels have buckled and moisture, which was allowed to seep in, has caused excessive rusting.

This spring the contractors were optimistic that the tile could be repaired but closer investigations revealed that this was impossible. A potential danger existed to passersby from falling tile. Consequently a decision was taken to replace the mural completely.

The design for the new permanent panel is now under consideration by the Department of Public Works, the Art Department, and the Campus Planning Committee.



## Cooling Plant sited for riverbank ... underground

Construction will begin at the first of the year and should be completed by July on the University Central Cooling Plant. It will be located underground on the University's riverbank property at 112th Street and Saskatchewan Drive. A great deal of care will be taken by the Grounds Department to preserve the natural beauty of the riverbank property. Only the entrance-way to the plant will be visible above ground.

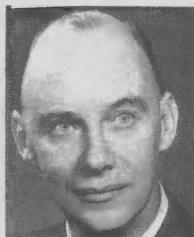
Construction of the plant is the result of an extensive engineering survey which showed that the most economical way to handle air conditioning on the campus was to contain all the nuisance factors of heat, noise, and maintenance in one building located away from the teaching areas of the University. Individual cooling plants in new buildings were found to be more expensive to install, operate, and maintain.

The plant will occupy an area approximately 100 feet by 80 feet and will rise 45 to 50 feet in overall height underground. Basically it will use the river water to cool the refrigerator machines which are responsible for cooling various University buildings.

Initially the plant will serve the Henry Marshall Tory Building, the Biological Sciences Building, the Engineering Complex, and portions of the Students' Union Building. Eventually it will be used for air conditioning in the older buildings, the University Hospital, and other new buildings which require air conditioning.

# Faculty Notes

## english



**DENIS GODFREY** Englishman accepting a position at a western Canadian University and becoming enmeshed in the University's political feudings. His wife's hope for a new beginning to a marriage already coming apart are jarred. They both face the most testing challenge of their lives, defying the old Western tradition of antagonism to things and people English. The publishers have said of the novel, "The campus politics and prejudice, the sensitive handling of subordinate characters and events, and the eventual self-recognition and maturing of the major individuals - these elements make an engrossing and believable story."

## elementary

An "Alberta Elementary Science Project" is being undertaken within the Department of Elementary Education by PROF. N. M. PURVIS and DR. J. W. G. IVANY. With a new super-structure emerging in the secondary school science programs in Alberta, there is a need to develop a corresponding change in the foundations of the elementary science projects. Such revisions would reflect a completely new approach to the teaching of science with a greater emphasis on structure and processes than ever before. The purpose of the "Alberta Elementary Science Project" will be to examine a number of elementary science programs being developed on this continent, evaluate carefully those programs which have relevance for Alberta and develop a blueprint for an elementary science program for the 1970's. The total project is expected to last three or four years. Financial support for the project is being provided by a research grant from the Alberta Advisory Committee on Educational Research as well as financial assistance from the Department of Education Curriculum Branch and a number of Alberta School Districts.

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The first Invitational Conference on Elementary Education, sponsored by the University's Department of Elementary Education, will be held November 10 - 13 at the Banff School of Fine Arts.

## mathematics

The Ford Motor Company of Canada has awarded a \$5,000 post-doctoral fellowship to JAMES MULDOWNEY of the Mathematics Department. Mr. Muldowney will receive the Ph. D. degree at Fall Convocation, November 20th. **J. MULDOWNEY** He will use the fellowship to carry on research in Mathematics at the University of Alberta, investigating some of the questions raised by his previous research.



Mr. Muldowney is a first class honours graduate of the National University of Ireland at Galway with the B.Sc. and M.Sc. degrees. He taught for one year at that University before entering the Ph. D. program at the University of Alberta.

## education

Conference Chairman, DR. R. D. ARMSTRONG, expects that some 200 educators from the four western provinces and even some from Eastern Canada will be in attendance. Discussion will centre around the conference theme, "New Developments in Elementary Education," and around the selection of items for school curricula and research in various areas of elementary education. Major participants in the conference discussions include two prominent American educators, Dr. J. I. Goodlad, Professor and Director of University Elementary School, University of California at Los Angeles and Dr. J. R. Suchman, Director of the Curriculum and Instruction Branch of the Department of Health, Education and Welfare in Washington, D. C., plus many top-ranking Canadian educators including Dr. A. R. McKinnon, Dean of Education at Simon Fraser University, and DR. W. H. WORTH, Head of the Department of Elementary Education at this University.

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Educators from twenty-seven countries will meet in Paris in August 1966 at the first World Congress on Reading, to be held at U.N.E.S.C.O. headquarters. The theme of the conference, organized by the International Reading Association, is "Improving the Teaching of Reading Throughout the World." DR. MARION JENKINSON of the Department of Elementary Education, is the chairman of the Organizing Committee for this congress, and is also in charge of the program. She reports that the response has been enthusiastic and that several governments are sending official delegations.

## zoology

DR. VICTOR LEWIN, of the Department of Zoology, will receive the 1965 Harry R. Painton Award of the Cooper Ornithological Society for his paper "Reproduction and Development of Young in a Population of California Quail," in 'The Condor' (1963). The award consists of an honorarium of \$500. It is made to the author or joint authors of the best paper to appear in 'The Condor' during the previous four years. Selection is made by a special committee of the Board of Governors of the Cooper Ornithological Society and the editorial staff of 'The Condor.' 'The Condor' is the leading scientific ornithological journal in North America.

## geology

Geological Survey of Canada grants for research in the geological sciences have been awarded to six University of Alberta professors. They are: DR. H. BAADSGAARD, \$3,100 for "applied isotope geology;" DR. A. J. BROSCE, \$2,900 for "quantitative study of current land forms;" DR. R. A. BURWASH, \$1,700 for "average crusted composition of Western Churchill province;" DR. J. F. LERBEKMO, \$1,500 for description and correlation of continental upper cretaceous and tertiary deposits in Alberta;" DR. C. R. STELCK, \$3,000 for "palyontology of microvertebrate beds;" and DR. J. A. WESTGATE, \$2,800 for "detailed lithologic studies of surficial glacial drift sheets in Southern Alberta."

## classics



Professor Emeritus DR. W. G. HARDY, former head of the Classics Dept., has been awarded the Beaver Trophy, donated by The Bay and presented by the Canadian Authors' Association, for his published novel, "The Living Past." The winning novel centres on the history of man during the early times in Greece and Rome.

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DR. R. J. BUCK, Head of the Classics Department, has been appointed a corresponding member of the Editorial Board of "Phoenix," the only classical periodical in Canada.

## 37 years of service

After 37 years of service with the University, Miss Esther Miller of the Student Awards Office is retiring. The date has been officially set at November 15th.

Miss Miller, a 1927 Arts graduate of the University of Alberta, started her career with the Registrar's Office in 1928 after completing a one-year business course. The Registrar, A. E. Ottewell, placed her in charge of admissions and correspondence but by 1933 she had the title Chief Clerk and supervised all the work being done in the Registrar's Office as well as serving as the Registrar's secretary. At that time, she recalls, all personnel in the office had University degrees and, being in the midst of the depression with a scarcity of jobs, it was not hard to find degree people for the work.

In the summer of 1945, the Registrar's Office became inundated with "bushels of mail" from servicemen wanting to return to University. To Miss Miller and others in the office this meant a doubling of the work load, the hiring of a night staff, recruitment of secretarial help from the city,

and a pitiful lack of typewriters, desks, and space to handle the rush for registration. By February of 1946 with no let-up in sight and a doubling of enrolment in one year, Miss Miller for health reasons was forced to take a desk job with less strenuous responsibilities. She was placed in charge of scholarships and bursaries. With scholarships, as with enrolment, the work load increased by leaps and bounds until, in 1959, an Administrator of Student Awards, R. B. Wishart, was appointed to organize and expand this vital 'arm' of the Registrar's Office.

So many of Miss Miller's friends have asked what plans she has for the future. Without hesitation she modestly replies that although she feels she has little talent in either direction, she would like to organize her day so that she can write in the morning and paint in the afternoon. Ultimately she will follow up one of her favourite loves - travel. Already a seasoned traveller, her next stop will be Sicily where she is interested in visiting the Greek temples and applying her interests in archi-

ture, ancient history, and classics, all of which originated with her student days at the University of Alberta.

The University is giving a reception for her on November 9th at the Faculty Club from 4 - 6 p. m. to which University staff are invited to attend.



MISS ESTHER MILLER

## Evening Credit, 1965



DR. J. W. GILLES

Ten years ago there was no Evening Credit Program as we know it today at the University of Alberta. Some credit was awarded by Extension for evening courses, but no organized program existed. Today some 1,600 Evening Credit Program students and some 3,700 Summer Session students come under the direction of one man, Dr. John W. Gilles.

Dr. Gilles, Professor of Educational Psychology, has three degrees from this University and a doctorate from Stanford University. He began his teaching career in

the Alberta public high school system until, in 1937, he was made School Inspector and Superintendent of Schools for Peace River. Five years later he was transferred to the Normal School in Edmonton and, in 1945 when all teacher education was transferred to the University, he became an Associate Professor. In 1951 he was appointed Director of the Summer Session program which was then in its 33rd year. Fees were \$20, subject to a \$5 discount, and teaching staff were paid \$300 a session. (Today the fees are five times more and staff salaries have quadrupled.) The Evening Credit Program began in 1956 and again, Dr. Gilles was chosen to be the Director. Despite this increased load in administrative responsibilities, Dr. Gilles continues to teach educational psychology six hours per week.

There are forty-two courses offered this year through the Evening Credit Program in the ten northern Alberta centres of Edmonton, Red Deer, Camrose, Evansburg, Grande Prairie, Radway, Vegreville, Viking, Westlock, and Wetaskiwin. These centres generally draw students from the surrounding area up to distances of fifty miles. Occasionally, however, a student will travel extraordinarily long distances to take courses. In some cases this had been from Peace River to Grande Prairie, 125 miles one way, or even as far as from Medicine Hat to Camrose, 279 miles one way, to attend a particular course.

At Edmonton, about two-thirds of the students who take evening courses are teachers while, at the off-campus centres, classes are composed almost entirely of teachers. Edmonton courses are given in the fields of accounting, art, economics, education, English, French, genetics, geography, linguistics, mathematics, philosophy, political science, psychology, sociology, and Ukrainian. In general, the off-campus courses include senior arts and education courses. Enrolments at Edmonton would likely have been at least 300 higher this year had it not been necessary to impose registration quotas, for the first time, in certain popular courses due principally to a shortage of instructors. The courses which have quotas are English 200 and 210, Philosophy 240, Sociology 350, Educational Psychology 476, and Educational Foundations 492.

Instructors for the Evening Credit Program are generally recruited from the University's daytime teaching staff, mainly because they are indisputably qualified and they have already prepared the course for the day program. This year 45 of the 49 instructors have been recruited from the University, and one from a junior college. Dr. Gilles has found that efforts in the past to find suitably qualified instructors from other sources have been conspicuously unsuccessful. Generally speaking, however, the number who volunteer from the University to teach evening courses is not quite sufficient to meet the potential demand, particularly in the off-campus centres. This is one of the dilemmas which faces Dr. Gilles, one which can be directly traced to the overwhelming success and popularity of the Evening Credit Program in Northern Alberta.

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**calendar of events, november 1st to 15th**

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Nov. 1 - First Recital by Bachelor of Music students (and every following first and third Monday of each month), Convocation Hall, 12 noon - open and free.

Nov. 3 - Faculty of Business Administration and Commerce Student Business Day.

Nov. 6 - Football: University of Saskatchewan Huskies versus U of A Golden Bears, University playing field, 2 p. m.

Nov. 8 - Federal Election Day.

Nov. 10 - The Alberta Geographical Society is sponsoring Professor J. Romanowski who will speak on "Poland - past and present" at 8:30 p. m. in Room 345, Biological Sciences Building. Admission is \$1.00 to non-members.

Nov. 11 - Remembrance Day - University closed. Memorial Services will be held in Convocation Hall beginning at 10:30 a. m.

Nov. 15 - Bachelor of Music Students' Recital, Convocation Hall, 12 noon, open and free.

University Symphony Concert conducted by Professor Claude Kenesson, former principal cellist for the Winnipeg Symphony and Conductor of the Royal Winnipeg Ballet. Soloist is pianist David Sagert. Convocation Hall, 8:15 p. m. Admission charge at the door.

FACULTY CURLING: Substitutes are needed for the 16 faculty curling teams which curl every Thursday at 5 p. m. at the Derrick Club. Call Mr. L. P. Morgan at extension 490.

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**fellowships****1966 W.U.S. seminar in Turkey****available**

The World University Service of Canada will take more than forty Canadian Students to Turkey the summer of 1966, to examine "The Changing Character of the Turkish Revolution."

The University of Alberta as on past WUS seminars in Chile, Algeria, Sweden, Pakistan, and many other countries, will be represented. A greater interest among the student body, in this seminar can be facilitated by individual students being contacted by professors, and being made aware of the opportunities the seminar provides. Posters and notices do their part, but specific student contact is invaluable. In this the WUS committee would greatly appreciate the faculty's attention and co-operation.

The experience of a seminar such as this is a rewarding one, not only for the university community at large, but especially for the individual. Discussions with the students and the leaders of Turkey will give the Canadians a clearer picture of Turkey's past and present. Time will also be allotted for the students to pursue specific study projects on field trips and individual visits - a key part of the program. The seminar will facilitate a study in depth of Turkey and its problems; as such it requires mature delegates, ones who are able to adjust and "cope."

Application forms are available at the Registrar's Office; deadline, November 17. Further information is available from Janis Kostash, 433-3235 (evenings).

Ten doctoral dissertation fellowships in natural resources are available to universities in the U. S. and Canada for 1966-67. They are intended to help increase the numbers of persons equipped to deal with social science aspects of natural resource problems. A fellowship candidate must be nominated by the academic department in which he is a doctoral candidate. His research project must relate to natural resources, their products, or their services, and must involve the social sciences or related fields of study. The basic stipend is \$2,500 plus dependency allowances, tuition, fees, and modest incidental research expenses. Further information is available from the Faculty of Graduate Studies.

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**folio deadline is the 9th and 24th of each month**

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